

ANKITH KANDERI

704.254.9893 • akanderi3@gatech.edu • LinkedIn/ankithkanderi • U.S. Citizen

EDUCATION

Georgia Institute of Technology, College of Computing

Atlanta, Georgia

Candidate for B.S in Computer Science

December 2023

- Concentration(s): Intelligence & Information Internetworks **GPA: 4.00**
- Scholarships/Awards: National Merit Scholar, Wells Fargo Dependent Scholarship, Dean's List (4x), Faculty Honors (4x)

EXPERIENCE

AT&T, Inc.

Atlanta, Georgia

Full Stack Software Engineer Intern (Spring Boot, Java, Maven, SOLR, SQL)

June 2022 – August 2022

- Employed Spring Boot (Java + Maven) to port data into a SOLR database to encourage members of Fiber Broadband software team to support applications with a more efficient data source
- Increased speed of common fiber broadband infrastructure queries by ~100%, potentially impacting 75,000 customers daily
- Refactored REST API to directly transfer data from users into SOLR database, providing integration with 20 applications
- Converted relational database query results into JSON objects, using Jackson, for transfer into data pipeline
- Implemented JUnit server-side testing to ensure that data put into the pipeline was properly placed into the SOLR database
- Used SOLR Admin UI + cURL to confirm proper formatting and indexing of SOLR queries, increasing system operability

Wells Fargo

Charlotte, North Carolina

Software Engineer Intern (SQL, VB)

June 2021 – August 2021

- Utilized SQL and Visual Basic (VB) to automate the creation of seven risk reports, saving over 200 human hours a year
- Improved efficiency of the reporting process by roughly 800%, concurrently improving overall data quality in the reports
- Formulated code to automate a tri-weekly process of comparing data extracts for variation, saving over 150 hours annually
- Managed the transition of extracting data from a weekly-updated external website to directly pulling from live databases
- Created script to take relevant data and display risk levels associated with change requests using pivot tables and splicers
- Showcased process to executive leadership and team members to promote automation in the Capital Markets Tech sector

PROJECTS

AT&T Intern Innovation Challenge/Hackathon

Summer 2022

Developer (React, Git, Bit Bucket)

- Built a proof-of-concept order portal, in React, to allow AT&T customers to access a drone-based service network
- Made use of the Google Maps API to provide users with a visualization of their drones' deployment site and end location
- Integrated EmailJS into application to send users order confirmation emails following form completion
- Presented order portal as part of cohesive pitch for AT&T to adopt an on-demand, drone-based 5G network

Intelligence Based Pacman

Fall 2021

Intelligence Implementor (Python)

- Wrote various search heuristics, including A*, BFS, DFS, Greedy, and UCS, to explore possible maze traversals
- Used reinforcement learning, such as Q-learning and value iteration, to train Pacman to follow safe paths of greatest reward
- Expanded shell of Pacman game, using intelligence principles, into a fully autonomous game with maximized scoring

Tower Defense Game

Spring 2022

Developer (Java, Git, GitHub)

- Developed a game, spanning 5,000 lines of code, in which players protect a monument against enemies by accumulating money, buying/upgrading towers, and attacking enemies
- Implemented interfaces, abstract classes, and methods to represent towers, enemies, the game map, the shop, and projectiles
- Manipulated Android activities to provide users with seamless UI updates when game state or screens changed
- Prioritized test-driven development, including hundreds of JUnits, and Agile to ensure smooth integration of new features

SKILLS/INTERESTS/COURSEWORK

Languages/Frameworks: Java, Python, React, JavaScript, HTML5, CSS, C, SQL

Technologies: VS Code, IntelliJ, Windows OS, MacOS, Git, GitHub, SQL/NoSQL Databases, JSON, Spring Boot, JUnits

Coursework: Data Structures and Algorithms, Design and Analysis of Algorithms, Introduction to Database Systems,

Introduction to Intelligence, Computer Organization & Programming, OO Programming, Computer Systems & Networks